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WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN LAND-GRANT COLLEGES AND EXPERIMENT STATIONS

✦

1937–38

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By MARY A. AGNEW
Office of Experiment Stations

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KEY TO ABBREVIATIONS

Acct., Accountant, Accounts.
Actg., Acting.
Admin., Administration, Administrative.
Agr., Agriculture, Agriculturist, Agricultural.
Agron., Agronomy, Agronomist.
Agt., Agent.
An., Animal.
Anal., Analytical, Analysis.
Anat., Anatomy.
Arch., Architect, Architecture, Architectural.
Assoc., Associate, Association.
Asst., Assistant.
Bact., Bacteriology, Bacteriologist.
Biochem., Biochemist, Biochemistry, Biochemical.
Biol., Biology, Biologist, Biological.
Bldg., Building(s).
Bot., Botany, Botanist, Botanical.
Brdg., Breeding.
Bull., Bulletin.
Chair., Chairman.
Chem., Chemistry, Chemist, Chemical.
Climat., Climatology, Climatologist.
Coll., College.
Collab., Collaborator, Collaborating.
Comp., Comparative.
Comn., Commission.
Comr., Commissioner.
Conserv., Conservation, Conservationist.
Consult., Consulting, Consultant.
Coop., Cooperation, Cooperative, Cooperator.
Corresp., Correspondence, Correspondent.
Dem., Demonstration, Demonstrator.
Dept., Department.
Dir., Director.
Dist., District.
Div., Division.
Dom., Domestic.
Ecol., Ecology, Ecologist, Ecological.
Econ., Economy, Economic, Economics, Economist.
Ed., Education, Educational.
Engin., Engineer, Engineering.
Ent., Entomology, Entomologist, Entomological.
Erad., Eradication.
Expt., Experiment, Experimental.
Ext., Extension.
Fert., Fertility, Fertilizer.
Flor., Floriculture, Floriculturist, Floricultural.
For., Forestry, Forester.
Gard., Gardening, Gardener.
Gen., General.
Geog., Geography.
Geol., Geology, Geologist, Geological.
Grad., Graduate.
Histol., Histology, Histologist.
Hon., Honorary.
Hort., Horticulture, Horticulturist, Horticultural.
Husb., Husbandry, Husbandman.
Hyg., Hygiene.
Illus., Illustration, Illustrative.
Indus., Industry, Industrial, Industries.
Inorg., Inorganic.
Insp., Inspection, Inspector.
Instr., Instructor, Instruction.
Insts., Institutes.
Invest., Investigations, Investigational, Investigator.
Irrig., Irrigation, Irrigationist.
Lab., Laboratory.
Landsc., Landscape.
Lect., Lecturer.
Libr., Library, Librarian.
Mach., Machine, Machinery.
Mech., Mechanics, Mechanical.
Med., Medicine, Medical.
Met., Meteorology, Meteorologist.
Mfg., Manufacturing.
Mfrs., Manufacturers.
Mgr., Manager.
Mgt., Management.
Microbiol., Microbiology, Microbiologist.
Mktg., Marketing.
Morphol., Morphology, Morphologist.
Mycol., Mycology, Mycologist.
Nutr., Nutrition, Nutritionist.
Oler., Olericulture, Olericulturist.
Org., Organic.
Organ., Organization(s).
Ornith., Ornithology, Ornithologist.
Parasit., Parasitology, Parasitologist.
Path., Pathology, Pathologist, Pathological.
Pedag., Pedagogy, Pedagogics.
Pharm., Pharmacy, Pharmacist, Pharmaceutical.
Pharmacol., Pharmacology, Pharmacologist.
Photog., Photography, Photographer.
Phys., Physics, Physical.
Physiol., Physiology, Physiologist, Physiological.
Phytopath., Phytopathology, Phytopathologist, Phytopathological.
P. O., Post Office.
Pomol., Pomology, Pomologist, Pomological.
Pract., Practice, Practical.
Prep., Preparatory.
Pres., President.
Prin., Principal.
Prod., Production.
Prof., Professor.
Pubs., Publications.
Sci., Science, Scientist, Scientific.
Sect., Section.
Secon., Secondary.
Secy., Secretary.
Sociol., Sociology, Sociologist.
Sta., Station.
Subsect., Subsection.
Substa., Substation.
Supt., Superintendent.
Supvr., Supervisor.
Surg., Surgery.
Tech., Technical. Technician.
Technol., Technology, Technologist.
Treas., Treasurer.
Trop., Tropical.
Univ., University.
Veg., Vegetable, Vegetation.
Vet., Veterinary, Veterinarian.
Vit., Viticulture, Viticulturist, Viticultural.
Voc., Vocational.
Zool., Zoology, Zoologist, Zoological.

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A key to the abbreviations used is given on page v.

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*†C. E. Howell, M. S., *Assoc. An. Husb.* (*P. O., Davis*).
*†E. H. Hughes, Ph. D., *Prof. An. Husb.; An. Husb.* (*P. O., Davis*).
*†Max Kleiber, D. Sc., *Assoc. Prof. and Assoc. An. Husb.* (*P. O., Davis*).
†S. W. Mead, M. S., *Assoc. An. Husb.* (*P. O., Davis*).
*†R. F. Miller, M. S., *Assoc. Prof. and Assoc. An. Husb.* (*P. O., Davis*).
†H. H. Reese, *Assoc.* (*An. Husb.: P. O., Pomona*).
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Chemistry and Plant Nutrition—Contd.

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*†M. R. Benedict, Ph. D., *Prof. Agr. Econ.; Agr. Econ.*
‡B. B. Burlingame, B. S., *Farm Mgt. Specialist.*
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*†L. A. Crawford, Ph. D., *Asst. Prof. and Asst. Agr. Econ.* (*P. O., Davis*).
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[2] Including the Giannini Foundation of Agricultural Economics.

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*†E. O. Essig, M. S., *Prof. Ent.; Ent.*
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†J. H. Freitag, Ph. D., *Junior Ent.*
*Florence M. Frost, Ph. D., *Assoc. in Ent.*
*†W. M. Hoskins, Ph. D., *Assoc. Prof. and Assoc. Ent.*
*†J. F. Lamiman, Ph. D., *Instr. and Junior Ent.* (*P. O., Davis*).
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*†M. A. Stewart, Ph. D., *Asst. Prof. and Asst. Ent.* (*P. O., Davis*).
*†T. I. Storer, Ph. D., *Head Div. of Zool.* (*P. O., Davis*).
†P. H. Timberlake, A. M., *Assoc. Ent.* (*P. O., Riverside*).
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Extension (Admin.) [1]

‡B. H. Crocheron, M. S., *in charge.*
‡Harriet G. Eddy, A. B., *State Home Dem. Leader.*
‡T. C. Mayhew, B. S., *Asst. State Leader, Coast Counties.*
‡Claribel Nye, M. A., *Asst. State Home Dem. Leader.*
‡W. R. Ralston, B. S., *Asst. State Club Leader, Southern Counties.*
‡C. W. Rubel, B. S., *Asst. State Leader, Northern Counties.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

Extension (Admin.)—Continued.

‡Fleda E. Smith, B. S., *Asst. State Home Dem. Leader.*
‡L. B. Smith, B. S., *Asst. State Leader, Southern Counties.*
‡F. M. Spurrier, B. S., *Asst. State Club Leader, Northern Counties.*
‡J. E. Tippett, B. S., *Asst. County Agt. Leader and in charge of Specialists.*
‡W. G. Waterhouse, B. S., *Asst. State Club Leader, Coast Counties.*
‡H. M. Butterfield, M. S., *Specialist.*
‡R. B. Easson, B. S., *Specialist.*
‡C. F. Elwood, B. S., *Asst. Prof. in charge Public Service Office.*
‡T. E. Hunt, B. S., *Assoc. Prof. Agr. Ext. in charge of Unorganized Counties.*
‡B. J. Jones, B. S., *Farm Advisor at Large.*
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*Hope M. Gladding, *Assoc. Prof. Household Art and Design.*
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Home Economics—Continued.

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†G. L. March, M. S., *Assoc. (Fruit Products).*
*†E. M. Mrak, Ph. D., *Instr. Fruit Products; Junior Mycol.*
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*†J. L. Stahl, A. B., *Assoc. in Landsc. Gard.* (*P. O., Davis*).
†E. H. Twight, M. S., *Assoc.* (*Vit.: P. O., Davis*).
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*†C. E. Grubb, C. E., *Business Administrator.*

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*†H. C. Harris, Ph. D., *Asst. Prof. and Asst. Agron.*
†C. E. Phillips, M. S., *Asst. Agron.*

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*T. A. Baker, Ph. D., *Prof. An. Husb.*
†A. E. Tomhave, M. S., *Research Poultryman and An. Husb.*

[1] On leave.

Animal Industry—Continued.
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†C. W. Mumford, *Asst. Poultry Husb.*
‡H. S. Palmer, B. S., *Poultry Specialist.*
*‡H. L. Richardson, B. S., *Instr. and Poultry Specialist.*

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†G. L. Baker, M. S., *Assoc. Chem.*
†G. M. Gilligan, M. S., *Assoc. Chem.*
†M. W. Goodwin, B. S., *Asst. Chem.*

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‡R. O. Stelzer, M. S., *Agr. Econ. Specialist.*

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††J. M. Amos, M. S., *Asst. Ent.*
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*Henrietta Fleck, M. S., *Instr. Home Econ.*[2]
*Elizabeth G. Kelly, M. A., *Asst. Prof. Home Econ.*[2]
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†K. J. Kadow, Ph. D., *Assoc. Plant Path.*

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†W. A. Carver, Ph. D., *Asst. Agron.*
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†W. A. Leukel, Ph. D., *Agron.*
†G. E. Ritchey, M. S., *Assoc. Agron. (Coop. U. S. D. A.).*
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‡J. L. Smith, *Ext. Agron.*

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*C. H. Willoughby, B. Agr., M. A., *Prof. An. Husb.*
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*†P. T. D. Arnold, B. S., *Asst. Prof. and Asst. Dairy Husb.*
*†R. B. Becker, Ph. D., *Prof. Dairy Husb.; Dairy Husb.*
‡H. L. Brown, B. S., *Ext. Dairyman.*
†R. M. Crown, B. S., *Asst. An. Husb.*
*†M. W. Emmel, M. S., D. V. M., *Prof. Vet. Sci.; Vet.*
*†W. G. Kirk, Ph. D., *Asst. Prof. and Asst. An. Husb.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
[2] Courses given in the Women's College.

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*†‡N. R. Mehrhof, B. S., M. Agr., *Prof. Poultry Husb.; Poultry Husb.*
*†W. M. Neal, Ph. D., *Assoc. Prof. and Assoc. in An. Nutr.*
*†L. L. Rusoff, M. S., *Instr. and Asst. in An. Nutr.*
*N. W. Sanborn, M. D., *Prof. Poultry Husb.*
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†Jeannette Shaw, M. S., *Lab. Tech.*
‡W. J. Sheely, B. S., *Ext. An. Husb.*
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‡E. F. Stanton, *Supvr. Egg-Laying Contest (P. O., Chipley).*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

Veterinary Science—See **Animal Husbandry.**

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*A. W. Leland, *Farm Foreman.*
††‡Ruby Newhall, *Admin. Mgr.*
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J. H. Jefferies, *Supt.*
W. A. Kuntz, M. S., *Assoc. Plant Path.*
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Everglades Expt. Sta., *P. O., Belle Glade*—
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J. R. Beckenbach, Ph. D., *Assoc. Truck Hort.*
Thomas Bregger, Ph. D., *Sugarcane Physiol.*
B. S. Clayton, B. S. C. E., *Drainage Engin.* (*Coop. U. S. D. A.*).

Branch Stations—Continued.

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R. W. Kidder, B. S., *Asst. An. Husb.*
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F. D. Stevens, B. S., *Sugarcane Agron.*
G. R. Townsend, Ph. D., *Assoc. Plant Path.*
North Florida Expt. Sta., *P. O., Quincy*—
L. O. Gratz, Ph. D., *Plant Path. in charge.*
R. R. Kincaid, Ph. D., *Assoc. Plant Path.*
Jesse Reeves, *Farm Supt.*
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G. D. Ruehle, Ph. D., *Assoc. Plant Path.*
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*A. O. Duncan, B. S., *Assoc. Prof. Rural and Voc. Ed.*

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*W. E. Hudson, B. S. A. E., *Instr. Agr. Engin.*
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‡A. F. Gannon, M. S., *Ext. Poultryman.*

Miscellaneous:

*Nelle M. Reese, *Libr.*

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[1] In cooperation with the Georgia experiment station.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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†L. H. Jones, *Agron. Foreman.*
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Botany:

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Economics (Agr.):

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Editorial:

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Home Economics:

†Leah Ascham, Ph. D., *Home Econ.*
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Horticulture:

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Miscellaneous:

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Substations:

Georgia Mountain Branch Sta., *P. O., Blairsville.*
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†P. A. Glick, M. S., *Asst. Ent.* (*Coop. U. S. D. A.*).
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†E. Y. Hosaka, M. S., *Asst. Biol. Aide.*
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Geology:

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Sugar Technology—See **Chemistry.**

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[1] Courses given in College of Arts and Sciences.
[2] For subject-matter workers see the respective division; i. e., agriculture, botany, etc.

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Dairy Husbandry:
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Editorial:
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Education (Agr.):
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Extension (Admin.): [3]
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‡T. B. Murray, *Rodent Control Leader (P. O., Boise).*

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[1] Courses given in College of Letters and Science.
[2] On leave.
[3] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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Veterinary Science—See **Animal Husbandry.**

Zoology: [1]

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[1] Courses given in College of Letters and Science.

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‡James Wallace, B. S., *Ext. Asst. in Farm Mgt.*
*†W. W. Wilcox, M. S., *Asst. Prof. and Research Asst. Agr. Econ.*

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*A. H. Hausrath, Jr., M. S., *Asst. Prof. Voc. Ed.*
*W. H. Lancelot, D. Ed., *Prof. Voc. Ed.*
*Cora B. Miller, M. A., *Prof. and Head Home Econ. Ed.*
*T. E. Sexauer, Ph. D., *Assoc. Prof. Voc. Ed.*
*J. A. Starrak, D. Ed., *Assoc. Prof. Voc. Ed.*

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*†Q. C. Ayres, B. S., B. E., C. E., *Assoc. Prof. and Coop. in Agr. Engin.*
*†H. J. Barre, M. S., *Asst. in Agr. Engin.*
‡H. H. Beaty, B. S. E. E., *Ext. Asst. Agr. Engin.*
†E. V. Collins, B. S., *Research Agr. Engin.*
*R. K. Frevert, B. S., *Instr. Agr. Engin.*
*†Henry Giese, M. S., Arch. E., *Prof. and Research Agr. Engin.*
†R. E. Jezek, B. S., *Engin. Asst.* (*Coop. U. S. D. A.*).
*†E. G. McKibben, M. S. A. E., Ph. D., *Assoc. Prof. and Coop. in Agr. Engin.*
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‡C. H. Van Vlack, M. S., *Ext. Prof. Agr. Engin.*
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Entomology—See **Zoology.**

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‡Murl McDonald, B. S., *Asst. Dir.* (*County Agt. Leader*).
‡P. C. Taff, B. S., *Asst. Dir.* (*State Club Leader*)
‡Mrs. Sarah P. Ellis, B. S., *State Home Dem. Leader.*

[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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‡Florence Forbes, B. S., *Agt. in Club Work.*
‡W. L. Harper, *Secy.*
‡Mrs. N. May Larson, B. S., *Asst. State Home Dem. Leader.*
‡Ella G. Loughran, B. S., *Agt. in Club Work.*
‡J. S. Quist, B. S., *Asst. State Club Leader.*
‡F. P. Reed, LL. B., *Asst. State Club Leader.*
‡F. F. Clark, B. S., *Dist. Ext. Agt.*
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‡E. F. Graff, M. S., *Dist. Ext. Agt.*
‡J. W. Merrill, B. S., *Dist. Ext. Agt.*
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*Cora B. Miller, M. A., *Prof. and Head Home Econ. Ed.*
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*†Rosalie V. Rathbone, M. A., *Prof. and Head Textiles and Clothing Subsect.*
*Lydia V. Swanson, M. S., *Prof. and Head Dept. of Child Development.*
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‡K. W. Stouder, D. V. M., *Ext. Prof. Vet. Med.*
*W. G. Venzke, D. V. M., M. S., *Asst. Prof. Vet. Anat.*
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Zoology and Entomology:
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*E. R. Becker, D. Sc., *Prof. Protozool.*
††G. C. Decker, Ph. D., *Research and Ext. Asst. Ent.*
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Zoology and Entomology—Continued.

††Harold Gunderson, M. S., *Research and Ext. Asst. in Ent. and Econ. Zool.*
*Anna Hager, M. S., *Instr. Zool.*
*H. M. Harris, Ph. D., *Assoc. Prof. Zool. and Ent.*
*†G. O. Hendrickson, Ph. D., *Asst. Prof. and Coop. in Zool.*
*Henry Huizinga, M. A., *Tech. in Zool. and Ent.*
*H. H. Knight, Ph. D., *Prof. Ent.*
*A. M. Lucas, Ph. D., *Assoc. Prof. Zool.*
†H. C. Manis, M. S., *Research Asst. in Ent. and Econ. Zool.*
†Harry Myers, *Tech. in Ent. and Zool.*
‡F. B. Paddock, M. S., *State Apiarist.*
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Zoology and Entomology—Continued.

‡Howard Shipton, *Deputy Apiary Insp.*
*†Erma A. Smith, Ph. D., M. D., *Assoc. Prof. Physiol.; Coop. in Zool.*
*O. E. Tauber, Ph. D., *Asst. Prof. Physiol.*
*L. D. Tuthill, M. A., *Instr. Zool. and Ent.*
*W. H. Wellhouse, Ph. D., *Prof. Zool.*
‡A. D. Worthington, B. S., *Ext. Asst. Prof. Ent.*

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‡C. G. Elling, B. S., *Ext. Assoc. Prof. An. Husb.*
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Botany and Plant Pathology:

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[1] On leave.

Botany and Plant Pathology—Continued.

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*†J. A. Hodges, M. S., *Assoc. Prof. Agr. Econ.; Farm Organ.*
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‡C. R. Jaccard, B. S., *Ext. Asst. Prof. Agr. Econ.* (*Area Planning*).
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Economics and Sociology—Continued.

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Editorial—See **Journalism.**

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‡E. G. Kelly, Ph. D., *Ext. Prof. Ent.*
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‡M. Vesta Richmond, *Asst. to the Dir.*
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‡F. O. Blecha, M. S., *Dist. Agt.*
‡O. B. Glover, B. S., *Dist. Supvr.*
‡J. V. Hepler, B. S., *Dist. Agt.*
‡L. M. Knight, B. S., *Dist. Agt.*
‡Rachel Markwell, B. S., *Dist. Home Dem. Agt. Leader.*
‡M. L. Robinson, B. S., *Dist. Supvr.*
‡E. H. Teagarden, B. S., *Dist. Supvr.*
‡A. F. Turner, B. S., *Field Agt.*
‡Georgiana H. Smurthwaite, M. S., *State Home Dem. Leader.*
‡Ellen M. Batchelor, B. S., *Dist. Home Dem. Agt. Leader.*

[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

Extension (Admin.)—Continued.

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‡Mary E. Border, B. S., *Asst. State Club Leader.*
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*Helen W. Ford, Ph. D., *Prof. and Head Dept. of Child Welfare and Euthenics.*
*Alpha C. Latzke, M. S., *Prof. and Head Dept. of Clothing and Textiles.*
*†Martha S. Pittman, Ph. D., *Prof. and Head Dept. of Food Econ. and Nutr.*
*Mrs. Bessie B. West, A. M., *Prof. and Head Dept. of Institutional Econ.*
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‡Gertrude E. Allen, M. S., *Ext. Asst. Prof. Foods and Nutr.*
*Mrs. Laura F. Baxter, M. S., *Asst. Prof. Home Econ. Ed.*
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*Dena Cedarquist, M. S., *Food Econ. and Nutr. Tech.*
*Elizabeth V. W. Clapp, M. S., *Assoc. Prof. Household Econ.*
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*Ruth Dales, B. S., *Instr. Child Welfare and Euthenics.*
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‡Alice Linn, B. S., *Ext. Instr. Clothing.*
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Home Economics—Continued.

*Florence McKinney, M. S., *Instr. Household Econ.*
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[1] On leave.

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Veterinary Medicine—Continued.

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*A. B. Sperry, B. S., *Prof. Geol.*
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Fort Hays, *P. O., Hays*—
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F. G. Ackerman, B. S., *Soil and Water Conserv. Invest.* (*Coop. U. S. D. A.*).
R. R. Drake, B. S. A. E., *Assoc. Agr. Engin. in Soil Erosion* (*Coop. U. S. D. A.*).
F. P. Eshbaugh, M. S., *For. Nurseryman.*
A. L. Hallsted, B. S., *Assoc. Agron. in Dry Land Agr.* (*Coop. U. S. D. A.*).
Lawrence Reed, B. S., *Asst. to Supt.*
A. F. Swanson, M. S., *Assoc. Agron.* (*Coop. U. S. D. A.*).
F. L. Timmons, M. S., *Agt. Bind Weed Control Invest.* (*Coop. U. S. D. A.*).
L. E. Wenger, B. S., *Agt. in Forage Crops* (*Coop. U. S. D. A.*).
Garden City—
F. A. Wagner, B. S., *Supt.* (*Coop. U. S. D. A.*).
H. J. Haas, B. S., *Agt. in Dry Land Agr.* (*Coop. U. S. D. A.*).
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Agronomy—Continued.

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[1] On leave.

Agronomy—Continued.

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Botany—See **Entomology.**

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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Veterinary Science—See **Animal Industry.**

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Entomology—See **Zoology.**

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‡W. C. Abbott, M. S., *State Club Agt.*
‡M. M. LaCroix, M. S., *Asst. State Club Agt.*
‡T. J. Jordan, B. S., *State Agt. in Negro Work (P. O., Scotlandville).*
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Fertilizer and Feed Stuffs Laboratory:

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‡Mary L. Collings, A. M., *Home Mgt. Specialist.*
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‡Bertha L. Ferguson, M. S., *Home Gard. Specialist.*
‡Estelle Fournet, B. S., *Food Preservation Specialist.*
*Martha E. Hollinger, M. S., *Asst. Prof. Home Econ.*
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Sugarcane Work:

†W. G. Taggart, M. S., *Sugarcane Invest.*
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Northeast La. Sta., *P. O., St. Joseph*—
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Rice Sta., *P. O., Crowley*—
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[1] See also Entomology.

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*Gregory Baker, B. S., *Instr. For.*
*C. W. L. Chapman, M. S., *Asst. Prof. For.*
*A. W. Goodspeed, B. S., M. F., *Assoc. Prof. For.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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†Lawrence Southwick, B. S., *Tech. Asst. in Pomol.*
‡W. H. Thies, M. S., *Ext. Hort. (Pomol.).*
†H. S. Tiffany, A. B., *Research Asst. in Nursery Culture (P. O., Waltham).*
*E. J. Tramposch, B. S., *Instr. Hort.*
*A. P. Tuttle, M. S., *Asst. Prof. Veg. Gard.*
†H. E. White, M. S., *Asst. Research Prof. Flor. (P. O., Waltham).*
†R. E. Young, M. S., *Asst. Research Prof. Veg. Gard. (P. O., Waltham).*

Physics:

*W. F. Powers, Ph. D., *Head of Dept.*
*G. W. Alderman, A. B., *Asst. Prof. Phys.*
*W. H. Ross, Ph. D., *Instr. Phys.*

Poultry Husbandry:

*†J. C. Graham, B. S., *Head of Dept.*
*Luther Banta, B. S., *Asst. Prof. Poultry Husb.*
†F. A. Hays, Ph. D., *Research Prof. Poultry Husb.*
‡G. T. Klein, M. S., *Ext. Poultry Husb.*
†Ruby Sanborn, A. B., *Research Asst. in Poultry Husb.*
*W. C. Sanctuary, M. S., *Prof. Poultry Husb.*
*J. H. Vondell, *Instr. and Plant Supt. Poultry Husb.*

Veterinary Science:

*†J. B. Lentz, A. B., V. M. D., *Head of Dept.*
†Henry Van Roekel, D. V. M., Ph. D., *Chief of Poultry Disease Control Lab.*
†K. L. Bullis, D. V. M., *Asst. Research Prof. Vet. Path.*
†Miriam K. Clarke, M. S., *Research Asst. in Poultry Disease Control.*
†Earl Crosby, *Lab. Helper in Poultry Disease Control.*
†O. S. Flint, B. S., *Asst. Research Prof. Vet. Path.*
†Mrs. Felicia Z. Jewett, *Lab. Asst. in Poultry Disease Control.*
†Carl Olson, Jr., D. V. M., Ph. D., *Research Prof. Vet. Sci.*

Miscellaneous:

†E. F. Gaskill, B. S., *Field Supvr. in Agr.*
*†B. B. Wood, A. B., *Libr.*
*R. H. Verbeck, B. S., *Dir. of Short Courses.*
*R. D. Hawley, B. S., *Secy.*

Substations:

Cranberry Station, *P. O., East Wareham*—
H. J. Franklin, Ph. D., *in charge.*
H. F. Bergman, Ph. D., *Senior Path. (Cranberry Diseases: Coop. U. S. D. A.).*
J. L. Kelley, *Tech. Asst. in Cranberry Research.*
W. E. Truran, *Agt. (Cranberry Diseases: Coop. U. S. D. A.).*
Waltham Field Sta., *P. O., Waltham*—
R. M. Koon, M. S., *in charge.*
H. A. Wilson, *Foreman.*

[1] On leave.

MICHIGAN

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*College faculty. †Station staff. ‡Extension staff.

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*E. L. Anthony, M. S., *Dean Div. of Agr.*
†V. R. Gardner, M. S., *Dir. of Expt. Sta.*
‡R. J. Baldwin, B. S., *Dir. of Ext. Div.*
*†C. O. Wilkins, *Treasurer.*

Animal Husbandry:

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*†V. A. Freeman, M. S., *Asst. Prof. and Research Asst. An. Husb.*
*†R. S. Hudson, B. S., *Assoc. Prof. and Research Assoc. An. Husb., Supt. of Farm.*
‡D. H. LaVoi, B. S., *An. Husb. Specialist.*
‡H. F. Moxley, B. S., *An. Husb. Specialist.*
*G. J. Propp, M. S., *Instr. An. Husb.*

Bacteriology—See **Veterinary Science.**

Botany and Plant Pathology:

*†E. A. Bessey, Ph. D., *Prof. and Head of Dept., Dean of Grad. School.*
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*H. L. Barnett, Ph. D., *Instr. Bot.*
*†H. C. Beeskow, M. S., *Instr. and Asst. in Plant Physiol.*
*†Donald Cation, M. S., *Instr. and Research Asst. in Plant Path.*
*H. T. Darlington, Ph. D., *Assoc. Prof. Bot.*
*Richard de Zeeuw, Ph. D., *Assoc. Prof. Bot.*
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†Glenn KenKnight, M. S., *Asst. in Plant Path.*
†R. W. Lewis, M. S., *Asst. in Plant Path.*
†‡J. H. Muncie, Ph. D., *Research Assoc. and Specialist in Plant Path.*
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*†H. F. Spencer, M. S., *Instr. and Research Asst. in Cytogenetics.*
*†F. C. Strong, M. S., *Asst. Prof. Bot.; Research Asst. in Plant Path.*
†Mrs. Miriam C. Strong, M. S., *Asst. in Plant Path.*
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*C. D. Ball, Jr., M. S., *Assoc. Prof. Chem.*
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†E. J. Benne, Ph. D., *Asst. Agr. Chem.*
†Lillian I. Butler, M. S., *Asst. in Chem.*
*T. L. Canniff, M. S., *Instr. Chem.*
*C. W. Carlson, M. S., *Instr. Chem.*
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Chemistry—Continued.

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*H. W. Eck, M. S., *Instr. Chem.*
*D. T. Ewing, Ph. D., *Prof. Phys. Chem.*
†L. H. Greathouse, Ph. D., *Research Assoc. in Agr. Chem.*
*H. C. Gutekunst, M. S., *Instr. Chem.*
*B. E. Hartsuch, A. B., *Assoc. Prof. Chem.*
*C. A. Hoppert, Ph. D., *Assoc. Prof. Chem.*
*R. C. Huston, Ph. D., *Prof. Org. Chem.*
*C. C. Langham, M. S., *Instr. Chem.*
*Elmer Leininger, M. S., *Asst. Prof. Chem.*
*W. C. Lewis, M. A., *Asst. Prof. Chem.*
†C. C. Lightfoot, M. S., *Asst. in Chem.*
*O'Neal Mason, M. A., *Asst. Prof. Chem.*
*C. N. McCarty, Ph. D., *Instr. Chem.*
*P. F. Neumann, M. S., *Instr. Chem.*
*H. G. Ohmen, B. S., *Instr. Chem.*
†Helen M. Robinson, M. S., *Asst. in Chem.*
†P. J. Schaible, Ph. D., *Research Assoc. in Chem.*
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Dairy Husbandry:

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‡A. C. Baltzer, B. S., *Dairying Specialist.*
*†I. A. Gould, Jr., M. S., *Instr. and Research Asst. in Dairy Husb.*
‡J. G. Hays, B. S., *Dairying Specialist.*
‡R. E. Horwood, M. S., *Dairying Specialist (P. O., Chatham).*
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‡J. M. Jensen, M. S., *Dairying Specialist.*
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*†W. O. Hedrick, Ph. D., *Prof. and Research Assoc. Econ.*
‡Arthur Howland, B. S., *Ext. Agr. Econ.*
‡A. B. Love, B. S., *Mktg. Specialist.*
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Editorial—See **Journalism.**

Education:

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*H. M. Byram, Ph. D., *Assoc. Prof. Ed.*
*G. P. Deyoe, Ph. D., *Asst. Prof. Ed.*
*E. L. Grover, M. A., *Assoc. Prof. Ed.*
*Helen Hartman, M. A., *Supervising Teacher.*
*G. H. Hill, M. A., *Asst. Prof. Ed.*
*L. H. Kelly, M. S., *Supervising Teacher.*
*Ethel Lewis, M. A., *Supervising Teacher.*
*M. Gladys Love, B. S., *Supervising Teacher.*
*L. J. Luker, Ph. D., *Asst. Prof. Ed.*
*F. T. Mitchell, Ph. D., *Assoc. Prof. Ed.*
*Helen I. Patterson, B. S., *Supervising Teacher.*
*F. A. Smith, M. A., *Asst. Prof. and Supervising Teacher.*
*Bernice V. Vollmer, B. S., *Supervising Teacher.*
*Meta W. Vossbrink, M. A., *Asst. Prof. and Supervising Teacher.*
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Engineering (Agr.):

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‡George Amundson, *Agr. Engin. Specialist.*
‡A. J. Bell, B. S., *Agr. Engin. Specialist.*
*‡D. G. Ebinger, B. S., *Instr. and Agr. Engin. Specialist.*
*R. E. Hammond, *Asst. in Agr. Engin.*
*†C. H. Jefferson, B. S., *Instr. and Research Asst. Agr. Engin.*
*†O. E. Robey, B. S., *Asst. Prof. and Research Asst. in Agr. Engin.*
*†E. C. Sauve, B. S., *Asst. Prof. and Research Asst. in Agr. Engin.*
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Entomology:

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*†W. F. Morofsky, M. S., *Asst. Prof. and Asst. Ent.*
*C. W. Sabrosky, M. S., *Instr. Ent.*
†Franklin Sherman, III, M. S., *Research Asst. in Ent.*

Extension (Admin.):[2]

‡R. J. Baldwin, B. S., *in charge.*
‡K. H. McDonel, M. A., *Asst. Dir.*
‡Edna V. Smith, B. S., *State Home Dem. Agt. Leader.*
‡A. G. Kettunen, B. S., *State Club Leader.*
‡C. V. Ballard, B. S., *County Agt. Leader.*
‡W. F. Johnston, *State Discussion Group Leader (P. O., Paw Paw).*

Extension (Admin.)—Continued.

‡M. H. Avery, B. S., *Asst. State Club Leader.*
‡Alice O. Bates, B. S., *Asst. State Club Leader.*
‡Olga Bird, B. S., *Asst. State Club Leader.*
‡Beatrice C. Boyle, B. S., *Asst. State Club Leader.*
‡Lois M. Corbett, B. S., *Asst. State Club Leader.*
‡Lola B. Green, B. S., *Asst. State Club Leader.*
‡Margaret B. Harris, M. A., *Asst. State Home Dem. Agt. Leader.*
‡P. G. Lundin, B. S., *Asst. State Club Leader.*
‡Marcella M. Meyer, B. S., *Asst. State Club Leader (P. O., Marquette).*
‡Nevels Pearson, B. S., *Asst. State Club Leader.*
‡C. A. Rood, B. S., *Asst. State Club Leader (P. O., Marquette).*
‡Helen A. Strow, M. S., *Asst. State Home Dem. Agt. Leader (P. O., Marquette).*
‡J. G. Wells, Jr., B. S., *Asst. County Agt. Leader (P. O., Chatham).*

Farm Crops:

*†H. C. Rather, B. S., *Prof. and Head of Dept.*
*†H. M. Brown, M. S., *Instr. and Research Asst. in Farm Crops.*
†B. R. Churchill, M. S., *Research Asst. in Farm Crops (P. O., Chatham).*
‡D. L. Clanahan, M. S., *Farm Crops Specialist (P. O., Marquette).*
‡R. E. Decker, B. S., *Farm Crops Specialist.*
*†S. T. Dexter, Ph. D., *Asst. Prof. and Research Assoc. in Farm Crops.*
*†E. E. Down,[1] M. Agr., M. S., *Assoc. Prof. and Research Assoc. in Farm Crops.*
*†J. R. Duncan, *Instr. and Research Asst. in Farm Crops.*
†‡C. M. Harrison, Ph. D., *Research Assoc. and Specialist in Farm Crops.*
†H. L. Kohls, M. S., *Asst. in Farm Crops.*
†J. G. Lill, M. S., *Assoc. Agron. (Sugar Plant Invest.: Coop. U. S. D. A.).*
†A. R. Marston, M. S., *Research Asst. in Farm Crops.*
*†C. R. Megee, Ph. D., *Assoc. Prof. and Research Assoc. in Farm Crops.*
*†‡H. C. Moore, B. S., *Asst. Prof. and Research Assoc. in Farm Crops.*
*†H. R. Pettigrove, B. S., *Asst. Prof. and Research Asst. in Farm Crops.*
*†J. W. Thayer, Jr., M. S., *Instr. and Research Asst. in Farm Crops.*
‡G. F. Wenner, B. S., *Farm Crops Specialist.*
†E. J. Wheeler, M. S., *Research Asst. in Farm Crops.*

Farm Management:

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‡H. A. Berg, M. S., *Farm Mgt. Specialist.*
*L. H. Brown, M. S., *Asst. Prof. Farm Mgt.*
‡J. C. Doneth, B. S., *Farm Mgt. Specialist.*
‡C. O. May, M. S., *Farm Mgt. Specialist.*
†H. B. Taylor, M. S., *Research Asst. in Farm Mgt.*
†K. T. Wright, M. S., *Research Asst. in Farm Mgt.*

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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., animal husbandry, botany, and plant pathology, etc.

Forestry:

*†P. A. Herbert, B. S., M. F., *Prof. and Head of Dept.*
*W. J. Baker, M. S., *Assoc. Prof. For.*
*†A. B. Bowman, M. S., *Instr. and Asst. in For.*
‡W. I. Bull, B. S. F., *Ext. For.*
*M. E. Deters, M. S., *Asst. Prof. For.*
*G. A. Diehl, Ph. D., *Asst. Prof. For.*
*J. H. Husted, B. S., *Instr. For.*
*J. H. Kraemer, M. F., *Instr. For.*
†W. F. McCulloch, M. S., *Research Asst. in For.*
*A. J. Panshin, Ph. D., *Asst. Prof. For.*
*P. W. Robbins, B. S., *Asst. Prof. For., Supt. For. Nursery.*

Geology and Geography:

*S. G. Bergquist, Ph. D., *Prof. and Head of Dept.*
*Fred Foster, M. S., *Instr. Geog.*
*W. A. Kelly, Ph. D., *Assoc. Prof. Geol.*
*P. C. Morrison, M. A., *Instr. Geog.*
*Merle Myers, M. S., *Instr. Geog.*
*E. C. Prophet, M. A., *Asst. Prof. Geog.*
*Duncan Stewart, Jr., Ph. D., *Instr. Geol.*
*Justin Zinn, Ph. D., *Instr. Geol.*

Home Economics:

*†Marie Dye, Ph. D., *Dean of Div., Prof. Nutr.*
*Mrs. Mabelle S. Ehlers, M. A., *Assoc. Prof. and Head of Institution Admin.*
*†Irma H. Gross, Ph. D., *Prof. and Head of Home Mgt. and Child Development.*
*Ethel G. Webb, B. S., *Assoc. Prof. and Head of Textiles, Clothing, and Related Arts.*
*Helen A. Baeder, M. S., *Instr. Foods and Nutr.*
*Dorothy L. Benson, Ph. B., *Instr. Clothing and Related Arts.*
*Evalyn S. Bergstrand, M. S., *Instr. Home Mgt. and Child Development.*
†Mrs. Merle M. Bray, B. S., *Asst. in Nutr. Research.*
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*Winifred S. Gettemy, Ph. B., *Assoc. Prof. Related Arts.*
*Ruth L. Godfrey, M. S., *Instr. Institution Admin.*
*Beatrice V. Grant, M. A., *Asst. Prof. Foods.*
†Ruth M. Griswold, M. S., *Research Asst. in Foods.*
*Katherine M. Hart, M. S., *Instr. Institution Admin.*
*†Jean E. Hawks, Ph. D., *Asst. Prof. and Research Asst. in Nutr.*
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*Marian S. Hillhouse, M. A., *Asst. Prof. Clothing.*
*Barbara E. Hoffman, M. S., *Instr. Related Arts.*
‡Florence A. Hutchinson, M. S., *Child Care and Training Specialist.*
*Mildred L. Jones, M. S., *Instr. Institution Admin.*
†Eunice E. Kelly, M. S., *Asst. in Nutr.*
‡Wilma B. Keyes, *Home Furnishing Specialist.*
‡Helen B. Larmore, M. A., *Clothing Specialist.*

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*Mary Lewis, M. S., *Asst. Prof. Nutr. and Home Mgt.*
*Evalyn Mansfield, M. A., *Instr. Clothing and Textiles.*
‡Alice McKinney, B. S., *Home Furnishing Specialist.*
*Catherine G. Miller, M. A., *Instr. Child Development.*
‡Helen Noyes, M. S., *Home Mgt. Specialist.*
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*Theodora L. Peck, M. S., *Instr. Foods and Nutr.*
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†J. C. Kremer, *Asst. in Apiculture.*
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†N. L. Partridge, Ph. D., *Research Asst. in Hort.*
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Journalism and Publications:

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‡R. J. Coleman, A. B., B. M., *Radio Specialist.*
††J. G. Duncan, B. S., *Asst. Bull. Editor.*
*L. H. Geil, M. A., *Instr. Journalism.*
‡W. E. Laycock, *Photog.*
*Ralph Norman, M. A., *Instr. Journalism.*
††E. B. Swingle, B. S., *Asst. Editor.*

Landscape Architecture:

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*C. W. Barr, B. S., *Asst. Prof. Landsc. Arch.*
*C. S. Gerlach, A. B., B. L. A., *Instr. Landsc. Arch.*
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*J. C. Clark, Ph. D., *Instr. Phys.*
*S. H. Dwight, M. S., *Instr. Phys.*
*C. D. Hause, Ph. D., *Asst. Prof. Phys.*
*C. W. Miller, A. B., *Instr. Phys.*
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‡J. M. Moore, M. S., *Poultry Specialist.*
‡O. E. Shear, M. S., *Poultry Specialist.*
‡E. S. Weisner, M. S., *Poultry Specialist.*

Sociology:

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*E. M. Banzet, M. A., *Asst. Prof. Sociol.*
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‡E. D. Longnecker, B. S., *Soils Specialist.*
‡J. A. Porter, B. S., *Soil Conserv. and Domestic Allotment Specialist.*
‡P. J. Rood, M. A., *Soils Specialist.*
†I. F. Schneider, B. S., *Research Asst. in Land Use.*
*†C. H. Spurway, Ph. D., *Assoc. Prof. and Research Assoc. in Soils.*
*†L. M. Turk, Ph. D., *Asst. Prof. and Research Asst. in Soils.*
*†James Tyson, Ph. D., *Asst. Prof. and Research Asst. in Soils.*
*†J. O. Veatch, A. B., *Prof. and Research Assoc. in Soils.*
†A. G. Weidemann, M. S., *Research Asst. in Soils.*
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Veterinary Science:

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†Mary Bruce, B. S., *Lab. Asst. in An. Path.*
†C. S. Bryan, Ph. D., *Research Asst. in Bact.*
*C. F. Cairy, D. V. M., *Instr. Physiol. and Pharmacol.*
*F. W. Chamberlain, B. S., D. V. M., *Prof. Comp. Anat.*

Veterinary Science—Continued.

*†W. L. Chandler, Ph. D., *Asst. Prof. Bact.; Research Assoc. in Parasit.*
*†C. F. Clark, D. V. M., *Asst. Prof. and Research Asst. in An. Path.*
*E. D. Devereux, Ph. D., *Asst. Prof. Bact.*
*†F. W. Fabian, Ph. D., *Assoc. Prof. and Research Assoc. in Bact.*
*†E. T. Hallman, D. V. M., *Prof. An. Path.; An. Path.*
*E. E. Hamann, D. V. M., *Lect. in Food Hyg.*
†I. F. Huddleson, D. V. M., Ph. D., *Research Prof. Bact.*
*J. P. Hutton, D. V. M., *Prof. Vet. Surg. and Med.*
*H. E. Johnson, D. V. M., *Asst. Prof. Comp. Anat.*
‡B. J. Killham, D. V. M., *An. Path. Specialist.*
*M. B. Kurtz, D. V. M., M. S., *Lect. in Serology.*
*N. W. Larkum, Ph. D., *Lect. in Clinical Path.*
*C. B. Line, D. V. M., M. S., *Lect. in Immunology.*
*†W. L. Mallmann, Ph. D., *Assoc. Prof. and Research Assoc. Bact.*
*D. B. Meyer, D. V. M., M. S., *Lect. in Immunology.*
*Myrtle Munger, B. S., *Asst. in Bact.*
†R. B. Pennell, Ph. D., *Research Asst. in Bact.*
*H. H. Ruhland, D. V. M., *Asst. in An. Path.*
*†J. F. Ryff, D. V. M., *Instr. and Research Asst. Bact.*
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*†L. B. Sholl, B. S., D. V. M., *Asst. Prof. and Research Asst. in An. Path.*
*†H. J. Stafseth, D. V. M., Ph. D., *Prof. and Research Assoc. in Pathogenic Bact.*
*†W. T. Thorp, D. V. M., *Instr. and Research Asst. in An. Path.*
*E. E. Visger, M. B., D. V. M., *Instr. Comp. Anat.*
*S. C. Whitlock, D. V. M., M. S., *Lect. in An. Path.* (*Wildlife*).
*F. W. Young, D. V. M., M. S., *Asst. Prof. Comp. Anat.*

Zoology:

*†H. R. Hunt, Ph. D., *Prof. and Head of Dept.*
*R. A. Fennell, Ph. D., *Instr. Zool.*
†D. W. Hayne, M. A., *Research Asst. in Zool.*
*B. T. Ostenson, B. A., *Instr. Zool.*
*M. D. Pinnie, Ph. D., *Assoc. Prof. Zool.* (*P. O., Augusta*).
*J. W. Stack, M. S., *Assoc. Prof. Zool.*

Miscellaneous:

*W. A. Davenport, *Supt. of Bldgs. and Grounds.*
*†J. E. Towne, M. A., B. L. S., *Libr.*
*R. W. Tenny, B. S., *Dir. of Short Courses.*

Substations:

Dunbar Forestry Expt. Sta., *P. O., Sault Ste. Marie*—
W. F. McCulloch, M. S., *Supt.*
Graham Hort. Expt. Sta., *R. F. D. 5, Grand Rapids*—
Walter Toenjes, M. S., *Supt.*
Lake City Potato Expt. Sta., *P. O., Lake City*—
A. M. Berridge, B. S., *Supt.*
South Haven Hort. Expt. Sta., *P. O., South Haven*—
Stanley Johnston, M. S., *Supt.*
Upper Peninsula Expt. Sta., *P. O., Chatham*—
J. G. Wells, Jr., B. S., *Supt.*
B. R. Churchill, M. S., *Research Asst. in Farm Crops.*

Substations—Continued.
W. K. Kellogg Demonstration Farm, *P. O., Augusta*—
C. M. McCrary, B. S., *Supt.*
M. D. Pirnie, Ph. D., *Dir. Bird Sanctuary.*

Conservation Institute:
*††L. R. A. Schoenmann, B. S., *Prof. and Dir. of Conserv.*
‡Russell Hill, *Farm Game Specialist.*

MINNESOTA

Department of Agriculture (College of Agriculture, Forestry, and Home Economics, the Agricultural Experiment Station, and the Division of Agricultural Extension) of the University of Minnesota, *University Farm, St. Paul*

*College faculty. †Station staff. ‡Extension staff.

*††L. D. Coffman,[1] Ph. D., LL. D., *President of University (P. O., Minneapolis).*
*††G. S. Ford, Ph. D., LL. D., Litt. D., *Actg. President.*
*†W. C. Coffey, M. S., LL. D., *Dean Dept. of Agr., Dir. of Sta.*
‡P. E. Miller, M. Agr., *Dir. of Agr. Ext.*
*†E. M. Freeman, Ph. D., *Dean Coll. of Agr., For., and Home Econ.*
*††W. T. Middlebrook, B. A., M. C. S., *Comptroller and Treas. of Sta. (P. O., Minneapolis).*

Agronomy and Plant Genetics:
*†H. K. Hayes, D. Sc., *Prof. and Chief of Div.*
*†D. C. Anderson, M. S., *Instr. and Asst. in Plant Genetics.*
*†A. C. Arny, M. S., *Assoc. Prof. and Assoc. Agron.*
†E. R. Ausemus, Ph. D., *Assoc. Agron. (U. S. D. A.).*
*†C. R. Borgeson, M. S., *Instr. and Asst. in Agron.*
‡W. W. Brookins, M. S., *Ext. Instr. Agron.*
††R. F. Crim, B. S., *Asst. and Ext. Asst. Prof. Agron.*
†J. O. Culbertson, M. S., *Asst. Agron. (U. S. D. A.).*
*†F. R. Immer, Ph. D., *Prof. Agron.; Geneticist.*
*†I. J. Johnson, Ph. D., *Asst. Prof. and Plant Geneticist.*
*†R. P. Murphy, B. S., *Instr. and Asst. in Agron.*
*†H. K. Schultz, B. S., *Instr. and Asst. in Agron.*
*†H. K. Wilson, Ph. D., *Prof. Agron.; Agron.*

Animal and Poultry Husbandry:
*†W. H. Peters, M. Agr., *Prof. and Chief of Div. An. Husb.*
*†H. J. Sloan, Ph. D., *Prof. Poultry Husb.; Poultry Husb.*
*†P. A. Anderson, B. S., *Asst. Prof. and Asst. An. Husb.*
†Catherine M. Barrett, B. S., *Asst. in An. Genetics.*
*†T. H. Canfield, Jr., B. S., *Instr. and Asst. Poultry Husb.*
*†R. E. Comstock, M. S., *Instr. and Asst. in An. Genetics.*
‡Cora E. Cooke, B. S., *Asst. Ext. Prof. Poultry Husb.*
*†E. F. Ferrin, M. Agr., *Prof. An. Husb.; An. Husb.*
*†W. W. Green, M. S., *Instr. and Asst. in An. Genetics.*
*†A. L. Harvey, M. S., *Asst. Prof. and Asst. An. Husb.*
*†D. W. Johnson, Ph. D., *Asst. Prof. and Asst. An. Husb.*
‡W. E. Morris, M. S., *Ext. Asst. Prof. An. Husb.*
*†L. M. Winters, Ph. D., *Prof. An. Genetics; An. Genticist.*
‡H. G. Zavoral, B. S., *Ext. Asst. Prof. An. Husb.*

Biochemistry (Agr.):
*†R. A. Gortner, Ph. D., D. Sc., *Prof. and Chief of Div.*
*†C. H. Bailey, Ph. D., *Prof. Agr. Biochem.; Agr. Biochem.*

Biochemistry (Agr.)—Continued.
*Mrs. Eleanor O. Barnes, M. S., *Instr. Agr. Biochem.*
*†D. R. Briggs, Ph. D., *Assoc. Prof. and Assoc. Agr. Biochem.*
*†Cornelia Kennedy, Ph. D., *Assoc. Prof. and Assoc. Agr. Biochem.*
*†Paul Merritt, B. S., *Assoc. Prof. and Asst. Agr. Biochem.*
†J. W. Nelson, M. S., *Assoc. Chem. Analyst.*
*†L. S. Palmer, Ph. D., *Prof. Dairy Chem.; Dairy Chem.*
*H. C. Reitz, M. S., *Instr. Agr. Biochem.*
*†C. F. Rogers, M. S., *Instr. and Asst. in Agr. Biochem.*
*†W. M. Sandstrom, Ph. D., *Assoc. Prof. and Assoc. Agr. Biochem.*
*†R. C. Sherwood, Ph. D., *Asst. Prof. and Asst. Agr. Biochem.*
*†G. S. Taylor, A. B., *Instr. Agr. Biochem.; Analyst.*

Botany—See **Plant Pathology.**

Dairy Husbandry:
*†J. B. Fitch, M. S., *Prof. and Chief of Div.*
*†W. B. Combs, M. A., *Prof. Dairy Husb.; Dairy Husb.*
*†N. N. Allen, Jr., Ph. D., *Instr. and Asst. Dairy Husb. Supt. Official Testing.*
*†S. T. Coulter, Ph. D., *Asst. Prof. and Asst. Dairy Husb.*
*†T. W. Gullickson, Ph. D., *Asst. Prof. and Asst. Dairy Husb.*
‡E. A. Hanson, B. S., *Ext. Asst. Prof. Dairying.*
‡Ramer Leighton, B. S., *Ext. Instr. Dairying.*
*†Harold Macy, Ph. D., *Prof. Dairy Bact.; Dairy Bact.*
*†J. C. Olson, Jr., B. S., *Instr. and Asst. in Dairy Husb.*
*†W. E. Petersen, Ph. D., *Assoc. Prof. and Assoc. Dairy Husb.*
‡H. R. Searles, B. S., *Ext. Assoc. Prof. Dairying.*

Economics (Agr.):
*†O. B. Jesness, Ph. D., *Prof. and Chief of Div.*
*†L. B. Bassett, *Assoc. Prof. and Assoc. Agr. Econ.*
*†R. C. Bevan, M. S., *Instr. and Asst. in Agr. Econ.*
‡Ruby Christensen, B. S., *Rural Youth Specialist.*
‡S. B. Cleland, M. S., *Ext. Asst. Prof. Econ., Farm Mgt.*
*†R. W. Cox, Ph. D., *Asst. Prof. and Asst. Agr. Econ.*

[1] On leave.

Economics (Agr.)—Continued.

*†A. A. Dowell, Ph. D., *Prof. Agr. Econ.; Agr. Econ.*
‡D. C. Dvoracek, B. S., *Ext. Econ., Mktg.*
*†S. A. Engene, B. S., *Instr. and Asst. in Agr. Econ.*
*E. F. Koller, M. A., *Instr. Agr. Econ.*
*P. M. Lowe, M. A., *Instr. Agr. Econ.*
‡J. B. McNulty, M. A., *Ext. Asst. Prof. Econ., Farm Mgt.*
‡Glen Myers, B. S., *Asst. Specialist in Farm Mgt.*
*†Lowry Nelson, Ph. D., *Prof. Rural Sociol.; Rural Sociol.*
*†G. A. Pond, Ph. D., *Assoc. Prof. and Assoc. Agr. Econ.*
*†W. P. Ranney, M. S., *Instr. and Asst. in Farm Mgt.*
*†G. A. Sallee, M. S., *Instr. and Asst. in Agr. Econ.*
*†H. C. Trelogan, M. S., *Instr. and Asst. in Agr. Econ.*
*†W. C. Waite, Ph. D., *Prof. Agr. Econ.; Agr. Econ.*
‡S. T. Warrington, M. A., *Ext. Instr. Econ.-Mktg.*
†F. E. Wetherill, *Field Agt.*

Editorial—See **Publications and Journalism.**

Education (Agr.): [1]

*A. M. Field, Ph. D., *Assoc. Prof. Agr. Ed.*
*V. E. Nylin, Ph. D., *Instr. Agr. Ed.*

Engineering (Agr.):

*†William Boss, *Prof. and Chief of Div.*
*†C. H. Christopherson, M. A., *Instr. and Asst. in Agr. Engin.*
*†J. G. Dent, *Instr. and Asst. in Agr. Engin.*
†O. W. Howe, B. S., *Asst. Agr. Engin. (U. S. D. A.).*
*†Andrew Hustrulid, Ph. D., *Asst. Prof. and Asst. Agr. Engin.*
*†P. W. Manson, B. S., *Instr. and Asst. in Agr. Engin.*
†D. G. Miller, C. E., *Senior Drainage Engin. (U. S. D. A.).*
*†J. H. Neal, A. E., *Asst. Prof. and Asst. Agr. Engin.*
*†L. W. Neubauer, M. S. C. E., *Instr. and Asst. in Agr. Engin.*
*†J. K. Park, B. S., *Instr. and Asst. in Agr. Engin.*
*†H. B. Roe, C. E., *Prof. Agr. Engin.; Agr. Engin.*
*†A. J. Schwantes, M. S., *Assoc. Prof. and Assoc. Agr. Engin.*
*†M. J. Thompson, M. S., *Assoc. Prof. and Assoc. Agr. Engin. (P. O., Duluth).*
*†J. B. Torrance, B. S., *Asst. Prof. and Asst. Agr. Engin.*
*†A. G. Tyler, B. S., *Asst. Prof. and Asst. Agr. Engin.*
*†H. B. White, M. S., *Asst. Prof. and Asst. Agr. Engin.*

Entomology and Economic Zoology:

*†W. A. Riley, Ph. D., D. Sc., *Prof. and Chief of Div. Ent. and Parasit.*
*†A. G. Ruggles, M. A., *Prof. Ent.; Ent. (State Ent.).*
*T. L. Aamodt, B. S., *Instr. Ent. and Econ. Zool.*
*†A. A. Granovsky, Ph. D., *Assoc. Prof. and Assoc. Ent.*
*†D. M. Hatfield, M. A., *Instr. and Asst. in Econ. Zool.*

Entomology and Economic Zoology—Continued.

*†M. H. Haydak, Ph. D., *Instr. and Asst. in Ent.*
*†A. C. Hodson, Ph. D., *Instr. and Asst. in Ent.*
*†C. E. Mickel, Ph. D., *Assoc. Prof. and Assoc. Ent. and Econ. Zool.*
*†O. W. Olsen, Ph. D., *Instr. and Asst. in Ent.*
‡H. L. Parten, B. S., *Ext. Instr. Ent.*
*†H. H. Shepard, Ph. D., *Asst. Prof. and Asst. Ent.*
*†G. A. Swanson, Ph. D., *Asst. Prof. and Asst. Zool. (Wildlife and Game Mgt.).*
*†M. C. Tanquary, Ph. D., *Prof. Apiculture; Apiculturist.*

Extension (Admin.): [2]

‡P. E. Miller, M. Agr., *in charge.*
‡J. F. Kuehn, *Asst. to Dir.*
‡L. A. Churchill, B. S., *State County Agt. Leader.*
‡Julia O. Newton, B. A., *State Home Dem. Leader.*
‡T. A. Erickson, B. A., *State Club Leader.*
‡R. M. Douglass, B. S., *Dist. County Agt. Leader.*
‡A. E. Engebretson, M. S., *Dist. County Agt. Leader.*
‡E. J. Falvey, LL. B., *Agr. Conserv. Specialist.*
‡R. H. Giberson, B. S., *Dist. Club. Agt.*
‡K. W. Ingwalson, B. S., *State Club Agt.*
‡A. J. Kittleson, *State Club Agt.*
‡C. L. McNelly, B. S., *Dist. County Agt. Leader.*
‡W. A. Peters, B. S., *Agr. Conserv. Specialist.*
‡H. A. Pflughoeft, B. S., *Dist. Club Agt.*
‡Skuli Rutford, B. S., *Agr. Conserv. Specialist.*
‡Mildred Schenck, B. S., *State Club Agt.*
‡May Sontag, B. S., *State Club Agt.*
‡Amy Wessel, B. S., *State Club Agt.*

Forestry:

*†Henry Schmitz, Ph. D., *Prof. and Chief of Div.*
*†J. H. Allison, M. F., *Prof. For.; For.*
‡P. O. Anderson, B. S., *Ext. Instr. For.*
*†A. J. Bailey, Ph. D., *Asst. Prof. and Asst. For.*
*†R. M. Brown, B. S., M. F., *Asst. Prof. and Asst. For.*
*†E. G. Cheyney, B. A., *Prof. For.; For.*
*H. L. Hansen, B. S., *Instr. For.*
*†R. W. Lorenz, B. S., *Instr. and Asst. in For.*
*†L. W. Rees, Ph. D., *Asst. Prof. and Asst. For.*
*†Thorvald Schantz-Hansen, Ph. D., *Assoc. Prof. and Assoc. For., Supt. For. Expt. Sta. (P. O., Cloquet).*
†Raphael Zon, B. S., F. E., *Dir. For. Expt. Sta. (U. S. D. A.: P. O., Cloquet).*
†R. N. Cunningham, B. S., *For. Econ. (P. O., Cloquet).*
†W. W. Nelson, *Custodial Foreman, Itasca Park For. Expt. Sta. (P. O., Douglas Lodge).*

Home Economics:

*†Wylle B. McNeal, M. A., *Prof. and Chief of Div.*
*†Alice M. Biester, M. A., *Assoc. Prof. and Assoc. Home Econ.*

[1] Courses given in College of Education.
[2] For subject-matter workers see the respective division; i. e., agronomy and plant genetics, animal and poultry husbandry, etc.

Home Economics—Continued.

‡Eva L. Blair, M. S., *Ext. Nutr.*
*Margaret Brew, M. S., *Instr. Home Econ.*
*Carlotta M. Brown, *Instr. Millinery.*
*Clara M. Brown, M. A., *Assoc. Prof. Home Econ. Ed.*
*†Alice M. Child, M. A., *Assoc. Prof. and Assoc. Home Econ.*
*†Eva G. Donelson, Ph. D., *Instr. and Asst. in Home Econ.*
*Frances Dunning, M. S., *Asst. Prof. Institutional Mgt.*
‡Mrs. Belle O. Fish, M. S., *Child Development Specialist.*
*Hally J. Fisher, R. N., *Instr. Home Nursing.*
*Anne L. Gibbs, B. S., *Instr. Fine Arts.*
*Harriet I. Goldstein, *Assoc. Prof. Related Art and Home Econ. Ed.*
*Vetta Goldstein, *Instr. Related Art.*
*Ethel R. Gorham, A. M., *Instr. Textiles and Clothing.*
‡Inez M. Hobart, M. A., *Ext. Nutr.*
*Hope H. Hunt, Ph. D., *Instr. Home Econ.*
*Georgia S. Johnson, M. S., *Instr. Home Econ. Ed.*
*Hildegarde Johnson, B. S., *Instr. Home Econ.*
*Hedda Kafka, M. A., *Instr. Home Econ.*
*Grace E. Kern, M. A., *Instr. Home Econ.*
*F. Mildred King, M. S., *Instr. Institutional Mgt.*
‡Charlotte Kirchner, B. S., *Home Furnishings Specialist.*
*†Jane M. Leichsenring, Ph. D., *Assoc. Prof. and Assoc. Home Econ.*
‡Jessie Marion, M. A., *Ext. Econ. in Home Mgt.*
*Mrs. Edna F. Mathieson, M. A., *Asst. Prof. Home Econ.*
‡Mary M. Miller, B. S., *Ext. Econ. in Home Mgt.*
*†Ethel L. Phelps, M. S., *Asst. Prof. and Asst. Home Econ.*
*Opal G. Powell, M. S., *Instr. Home Econ.*
‡M. Lois Reid, B. S., *Ext. Asst. Prof. Clothing.*
*Ella J. Rose, M. S., *Asst. Prof. Home Econ. Ed.*
*Mary J. Satorius, S. M., *Instr. Home Econ.*
*Ruth F. Segolson, B. S., *Instr. Home Econ. Ed.*
*Dorothea C. Siebert, B. S., *Instr. Home Econ.*
*Lucy A. Studley, M. A., *Asst. Prof. Home Econ.*
‡Eves E. Whitfield, B. S., *Ext. Asst. Prof. Clothing.*

Horticulture:

*†W. H. Alderman, B. S., *Prof. and Chief of Div.*
*†Ernest Angelo, Ph. D., *Instr. and Asst. in Hort.*
*†W. G. Brierley, Ph. D., *Prof. Hort.; Hort.*
*†T. M. Currence, Ph. D., *Asst. Prof. and Asst. Hort.*
†F. E. Haralson, *Asst. Supt. Fruit Brdg. Farm (P. O., Excelsior).*
‡E. M. Hunt, B. S., *Ext. Hort.*
*†A. E. Hutchins, Ph. D., *Instr. and Asst. in Hort.*
*†F. A. Krantz, Ph. D., *Prof. Hort.; Hort. (Coop. U. S. D. A.).*
*†L. E. Longley, Ph. D., *Asst. Prof. and Asst. Hort.*
*†Louis Sando, *Asst. in Flor.*
†A. G. Tolaas, M. S., *Asst. Hort.*
*†A. N. Wilcox, Ph. D., *Asst. Prof. and Asst. Hort.*
*†J. D. Winter, M. S., *Instr. and Asst. in Hort.*

Plant Pathology and Botany:

*†E. M. Freeman, Ph. D., *Prof. and Chief of Div.*
*†E. C. Stakman, Ph. D., *Prof. Plant Path.; Plant Path. (Coop. U. S. D. A.).*
*†St. J. P. Chilton, M. S., *Instr. and Asst. in Plant Physiol.*
*†C. M. Christensen, M. S., *Instr. and Asst. in For. Path.*
*†J. J. Christensen, Ph. D., *Assoc. Prof. and Assoc. Plant Path. (Coop. U. S. D. A.).*
†R. U. Cotter, Ph. D., *Assoc. Path. (U. S. D. A.).*
†Mrs. Ruby U. Crouley, *Seed Analyst.*
*†Louise Dosdall, Ph. D., *Instr. Plant Path.; Mycol.*
*†C. J. Eide, Ph. D., *Asst. Prof. and Asst. Plant Path.*
*†Helen Hart, Ph. D., *Instr. and Asst. Plant Path.*
*†R. B. Harvey, Ph. D., *Prof. Plant Physiol.; Plant Physiol. and Bot.*
*†R. H. Landon, Ph. D., *Instr. and Asst. Plant Physiol.*
*†A. H. Larson, B. S., *Asst. Prof. and Asst. Bot.*
*†J. G. Leach, Ph. D., *Prof. Plant Path.; Plant Path. (Coop. U. S. D. A.).*
†E. L. LeClerg, Ph. D., *Asst. Path. (U. S. D. A.).*
†M. N. Levine, Ph. D., *Path. (U. S. D. A).*
†L. W. Melander, Ph. D., *Assoc. Path. (U. S. D. A.).*
*†M. B. Moore, M. S., *Instr. and Asst. in Plant Path.*
‡R. C. Rose, M. S., *Ext. Asst. Prof. Plant Path.*
*†I. W. Tervet, B. S., *Instr. and Asst. in Plant Path.*

Publications and Journalism (Rural):

*‡H. L. Harris, B. S., *Asst. Prof. Journalism and Editor.*
‡H. R. Lewis, B. S., *Publicity Specialist.*
‡R. S. Mackintosh, M. S., *Exhibit Specialist.*
†‡Camilla Romstad, *Asst. Editor.*

Soils:

*†F. J. Alway, Ph. D., D. Sc., *Prof. and Chief of Div.*
*†P. R. McMiller, M. S., *Asst. Prof. and Asst. Soils Chem.*
†William Methley, *Junior Chem.*
*‡G. H. Nesom, B. S., *Asst. Prof. and Soils Specialist.*
*†C. O. Rost, Ph. D., *Prof. Soils; Soils Chem.*

Veterinary Medicine:

*†C. P. Fitch, D. V. M., D. Sc., *Prof. and Chief of Div. An. Path. and Bact.*
†Joy Berger, *Tech.*
‡W. A. Billings, D. V. M., *Ext. Vet.*
*†Lucille M. Bishop, B. S., *Instr. and Asst. in An. Path.*
†Evelyn Bolstad, B. S., *Tech.*
*†W. L. Boyd, D. V. S., *Prof. Vet. Med.; Vet.*
†Eleanor Duerr, B. S., *Tech.*
*†Reuel Fenstermacher, D. V. M., *Asst. Prof. and Asst. Path.*
†Edna K. Houge, B. S., *Tech.*
†Florence Jones, B. S., *Tech.*
†Margaret Kelly, *Tech.*
*†H. C. H. Kernkamp, D. V. M., M. S., *Assoc. Prof. and Assoc. Vet.*
†Edna Miller, *Tech.*
†B. S. Pomeroy, D. V. M., M. S., *Asst. Vet. and Asst. in An. Path.*
†Rhea Post, *Tech.*
*†M. H. Roepke, Ph. D., *Asst. Prof. and Asst. An. Path.*

Miscellaneous:
*†F. K. Walter, M. A., M. L. S., *Chief Libr.*
*†Harriet W. Sewall, B. A., *Libr.*

Substations:
North Central Expt. Sta., *P. O., Grand Rapids*—
R. L. Donovan, B. S., *Supt.*
C. L. Cole, M. S., *Asst. in An. Husb.*
O. W. Swenson, *Asst. Agron.*
T. S. Weir, B. S., *Asst. in Hort. and Ent.*
NE. Expt. Sta., *P. O., Duluth*—
M. J. Thompson, M. S., *Supt.*
NW. Expt. Sta., *P. O., Crookston*—
T. M. McCall, M. S., *Supt.*
R. J. Christgau, B. S., *Asst. An. Husb.*
E. R. Clark, M. S., *Pure Seed Specialist.*

Substations—Continued.
NW. Expt. Sta., *P. O., Crookston*—Con.
R. S. Dunham, B. S., *Asst. Agron.*
A. M. Foker, B. S., *Asst. Agr. Engin.*
O. M. Kiser, B. S., *Asst. An. and Dairy Husb.*
A. M. Pilkey, *Asst. in Poultry Husb.*
A. C. Vogele, Ph. D., *Asst. Hort.*
SE. Expt. Sta., P. O., *Waseca*—
R. E. Hodgson, M. S., *Supt.*
West Central Expt. Sta., *P. O., Morris*—
———— ————, *Supt.*
J. A. Anderson, B. S., *Asst. Hort.*
R. O. Bridgford, M. S., *Asst. Agron.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
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[1] For subject-matter workers see the respective division; i. e., animal husbandry, botany, etc.
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*†A. J. Durant, A. M., D. V. M., *Prof. and Chair. of Dept.*

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*†Leslie Cowan, *B. S., Secy.*
*†Jane Frodsham, *in charge Agr. Libr.*
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†M. M. Afanasiev, Ph. D., *Asst. Bot. and Bact.*
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*Ruth M. Holmes, M. A., *Asst. Prof. Home Econ.*

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*Florence Lloyd, M. S., *Instr. Home Econ.*
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*A. R. Jordan, M. S., *Asst. Prof. Phys.*
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†W. D. Hay, M. S., *Seed Analyst and Lab. Asst.*

Miscellaneous:
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Huntley Branch Sta. (Coop. U. S. D. A.), *P. O., Huntley*—
Dan Hansen, *Supt.*
D. V. Kopland, B. S., *Asst. Dairy Husb.*
A. E. Seamans, B. S., *Assoc. Agron.*
Judith Basin Branch Sta., *P. O., Moccasin*—
R. M. Williams, B. S., *Supt. (Coop. U. S. D. A.).*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[2] On leave.

Branch Stations—Continued.

Northern Mont. Branch Sta., *P. O., Havre*—
M. A. Bell, M. S., *Supt.* (*Coop. U. S. D. A.*).
U. S. Range Livestock Expt. Sta., (Coop. U. S. D. A.), *P. O., Miles City*—
J. R. Quesenberry, M. S., *Supt. and Senior An. Husb.*

Branch Stations—Continued.

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R. E. Hutton, B. S., *Asst. An. Husb.* (*Swine*).
E. B. Osborn, D. V. M., M. S., *Junior An. Husb.* (*Horses*).

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‡Mabel E. Doremus, B. S., *Foods and Nutr. Specialist.*
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‡Muriel L. Smith, B. S., *Ext. Econ.-Home Mgt.*
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‡J. R. Redditt, B. S., *Ext. Poultry Husb.*
‡L. P. Vance, B. S., *Asst. Ext. Poultry Husb.*

Miscellaneous:
*†Edna C. Noble, B. L., *Libr.*

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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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H. A. McComb, B. S., *Asst. Hort.*
H. E. Weakly, M. S., *Asst. Agron. (Coop. U. S. D. A.).*

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Lionel Harris, M. S., *Actg. Supt.*
Valentine Substa., *P. O., Valentine*—
E. M. Brouse, B. S., *Supt.*
Box Butte Expt. Farm, *P. O., Alliance*—
George Schmid, B. S., *Manager.*
Union Fruit Farm, *P. O., Union*—
R. A. Mapes, *Manager.*

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College of Agriculture and the Agricultural Experiment Station of the University of Nevada, *Reno*

*College faculty. †Station staff. ‡Extension staff.

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*†Robert Stewart, Ph. D., *Dean Coll. of Agr.*
†S. B. Doten, M. A., *Dir. of Sta. Ent.*
‡C. W. Creel, B. S., *Dir. of Agr. Ext.*
*†C. H. Gorman, *Comptroller.*

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†S. A. Lough, Ph. D., *Asst. in Soils Research.*
†V. E. Spencer, M. S., *Assoc. in Soils Research.*

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*G. E. Brooks, B. S., *Instr. Dairying.*
*C. J. Thornton, B. S., *Instr. Poultry Husb.*

Biology:

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*C. L. Brown, M. A., *Assoc. Prof. Biol.*
*P. A. Lehenbauer, Ph. D., *Prof. Biol.*
*Margaret E. Mack, A. M., *Assoc. Prof. Biol.*
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[1] For subject-matter workers see the respective division; i. e., agriculture, animal husbandry, etc.
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†C. M. Haenseler, Ph. D., *Assoc. Plant Path.*

Poultry Husbandry:
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†F. R. Beaudette, D. V. M., *Poultry Path.*
†V. L. Darago, *Research Foreman in Poultry Husb.*
†C. B. Hudson, M. S., *Asst. Poultry Path.*
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Seed Analysis:
†Jessie G. Fiske, Ph. B., M. S., *State Seed Analyst.*
†Sadie L. Boyce, *Asst. Seed Analyst.*
†Mrs. Jane P. Briggs, B. S., *Research Asst.*
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Soils and Crops:
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†A. W. Blair, A. M., *Soil Chem.*
†H. B. Sprague, Ph. D., *Agron.*
†G. H. Ahlgren, B. S., *Research Asst. in Agron.*
†D. M. Goss, M. S., *Assoc. Soil Classifier.*
†A. J. Owens, *Asst. in Soils.*
†A. L. Prince, M. S., *Asst. Soil Chem.*
†Benjamin Wolf, B. S., *Junior Soil Classifier.*

Spray Residue Investigations:
†H. C. McLean, Ph. D., *Chief.*
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Water and Sewage Research:

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†H. W. Gehm, M. S., *Asst. in Water and Sewage Research.*
†C. N. Henderson, *Lab. Asst.*
†H. Heukelekian, Ph. D., *Assoc. in Water and Sewage Research.*
†R. S. Ingols, B. S., *Asst. in Water and Sewage Research.*
†G. M. Ridenour, Ph. D., C. E., *Engin. in Water and Sewage Research.*

Zoology:

†T. C. Nelson, Ph. D., *Biol. in charge Oyster Research.*
†L. A. Hausman, Ph. D., *Consult. Ornith.*
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Miscellaneous:

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†Mrs. Elizabeth S. Evaul, B. S., *Assoc. Libr.*
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North Jersey Branch Sta., *P. O., Sussex*—
H. H. Tucker, M. S., *in charge.*
Oyster Research Lab., *P. O., Bivalve*—
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*†‡J. W. Benner, D. V. M., M. S., *Asst. Prof. An. Husb.; Vet.*
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*J. J. McKinley, B. S., *Instr. Chem.*
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Home Economics: [2]

*Margaret A. O'Loughlin, M. S., *Prof. Home Econ.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[2] Courses given in School of General Science.

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[1] All members of the college faculty do experimental work as required, retaining their academic titles.
[2] On leave.

Chemistry (Agr.):

*G. W. Cavanaugh, B. S., *Prof. Agr. Chem.*

Dairy Industry:

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‡H. J. Brueckner, Ph. D., *Ext. Asst. Prof. Dairy Indus.*
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*†B. L. Herrington, Ph. D., *Prof. Dairy Chem.*
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*†P. F. Sharp, Ph. D., *Prof. Dairy Chem.*
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Drawing (Agr.):

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Economics (Agr.) and Farm Management:

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Editorial—See **Publication.**

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*Lewis Eldred, B. A., *Instr. Rural Ed.*
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*Margaret Hutchins, A. M., *Instr. Rural Ed.*
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‡B. A. Jennings, B. S., *Ext. Asst. Prof. Agr. Engin.*
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[1] On leave.

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‡F. B. Morris, B. S., *Prof. in Ext. Service and Asst. County Agt. Leader.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[2] On leave.
[3] Under the State department of agriculture and the agricultural experiment station.

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‡A. W. Jacob, B. S., *Ext. Econ., Mktg.*
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Editorial—See **Journalism.**

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ECONOMICS (Agr.)—Continued.

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Editorial—See **Journalism.**

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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., animal industries, etc.

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*Lillian C. Taylor, M. A., *Asst. Prof. Foods and Nutr.*
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Harney Branch Expt. Sta., *P. O., Burns*—
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Hood River Branch Expt. Sta., *P. O., Hood River*—
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Pendleton Branch Expt. Sta., *P. O., Pendleton*—
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[1] On leave.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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‡Margaret A. Ambrose, *Asst. Dir. in charge Home Dem. Work.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

Home Economics—Continued.

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*Sadie O. Morris, Ph. D., *Asst. Prof. Foods.*
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‡A. L. Stark, Ph. D., *Ext. Hort.*

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*L. B. Linford, Ph. D., *Prof. Phys.*
*†Willard Gardner, Ph. D., *Prof. Phys.; Physicist.*
*Don Kirkham, Ph. D., *Instr. Phys.*
*L. H. Linford, Ph. D., *Instr. Phys.*

Poultry Husbandry:
*†‡Byron Alder, B. S., *Prof. Poultry Husb.; Poultryman.*
*‡Carl Frischknecht, M. S., *Asst. Prof. and Asst. Ext. Poultryman.*

Veterinary Science:
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*H. J. Frederick, D. V. M., *Prof. Vet. Sci.*

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†H. E. Dorst, M. A., *Asst. Ent. (Coop. U. S. D. A.).*
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[1] In cooperation with Branch Agricultural College, Cedar City.
[2] For subject-matter workers see the respective division; i. e., agronomy and soils, animal husbandry, etc.
[3] On leave.

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†D. E. Dunklee, M. S., *Asst. Agron.*
*‡P. R. Miller, M. S., *Prof. and Ext. Agron.*

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*†B. F. Lutman, Ph. D., *Prof. Plant Path.; Plant Path.*
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*L. S. Rowell, M. S., *Asst. Prof. Zool.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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‡S. K. Cassell, M. S., *Ext. Asst. Agr. Econ.*
‡K. N. Ellis, *Ext. Asst. Agr. Econ. (P. O., Petersburg).*
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*S. H. Byrne, M. S., *Asst. Prof. Agr. Engin.*
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*‡E. T. Swink, B. S., *Instr. and Ext. Asst. Agr. Engin.*
‡J. A. Waller, Jr., M. S., *Ext. Assoc. Agr. Engin.*

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†M. L. Bobb, M. S., *Asst. Ent.*
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*J. M. Grayson, M. S., *Instr. Ent.*
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‡G. A. Elcan, *State Club Agt.*
‡Hallie L. Hughes, B. S., *State Girls' Club Agt.*

Forestry:

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Home Economics:

‡Janet L. Cameron, M. S., *Foods and Nutr. Specialist.*
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‡L. C. Beamer, *Asst. Veg. Gard. Specialist.*

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*‡A. H. Teske, M. S., *Assoc. Prof. and Ext. Assoc. Hort.*
‡D. A. Tucker, B. S., *Ext. Asst. Hort.*

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
[2] On leave.

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[1] This institution gives the academic title to all employees.

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Editorial—See **Journalism.**

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] On leave.

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WYOMING

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[1] On leave.
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Washakie County Expt. Farm, *P. O., Worland*—A. S. Ingraham, B. S., *Supt.*

[1] For subject-matter workers see the respective division; i. e., agronomy and economics (agr.), animal production, etc.
[2] On leave.

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Allen, F. P., 91b.
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Bodley, R. E., 59a.
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Bray, Mrs. M. M., 49a.
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Wallrabenstein, P. P., 81a.
Walls, E. E., 25a.
Walls, E. P., 44b.
Walls, J. G., 96b.
Walrath, F. J., 96a.
Walsh, F. E., 32b.
Walsh, W. F., 73a.
Walster, H. L., 76a.
Walter, E. D., 26a.
Walter, E. J., 87a.
Walter, F. K., 54a.
Walter, L. E., 113b.
Walters, J. C., 19b.
Waltman, C. S., 38a.
Walton, T. O., III, IV, 97a.
Wanlass, W. L., 102a.
Wann, F. B., 101b.
Wantrup, S. von Ciriacy-, 7b.
Warbritton, V., 56a.
Warburton, C. W., IV.
Ward, C. A., 17b.
Ward, F. C., 17a.
Ward, G. H., 104b.
Ward, G. J., 25a.
Ward, J. W., 55b.
Ward, L. M., (N. C.), 76b.
Ward, L. M. (S. C.), 93b.
Ward, M. V., 55a.
Ward, W. B., 27b.
Ward, W. F., 17b.
Ward, W. G., 34b.
Ware, B. M., 3b.
Ware, G. W., 6b.
Ware, H. G., 83b.
Ware, L. M., 2a.
Ware, R. E., 93b.
Wareham, R. T., 78a.
Warfel, H. E., 45b.
Waring, Mrs. E. B., 71a.
Waring, J. H., 42b.
Wark, A. C., 66a.
Wark, C. H., 65b.
Warner, D. E., Jr., 14a.
Warner, E., 34b.
Warner, E. N., 80b.
Warner, H. H., 20a, b.
Warner, J. D., 17b.
Warner, Mrs. L. A., 97a.
Warren, D. C., 36a.
Warren, E. G., 35b.
Warren, G. F., 69a.
Warren, J., 71a.
Warren, R. M., 47b.
Warren, S. W., 69a.
Warrington, S. T., 52a.
Wartman, C. J., 105b.
Warttman, P., 54b.
Warwick, B. L., 98a.
Wascher, H., 23a.
Washburn, L. E., 56b.
Washburn, R. G., 81a.
Washington, Mrs. E. M., 19b.
Washington, W. H., 92b.
Washko, J. B., 65b.
Wasmuth, G., 109a.
Wasson, R. A., 39a.
Waterhouse, W. G., 9a.
Waterman, H. C., II.
Waters, N. F., 29a.
Waters, R. E., 54b.
Watkins, C. W., 61a.
Watkins, D. W., 92a, 93a.
Watkins, G. M., 100a.
Watkins, J. V., 16b.
Watkins, W. E., 67a.
Watkins, W. F., 28b.
Watson, A. E., 41b.
Watson, E. S., 93a.
Watson, J., 94a.
Watson, J. B., 6a.
Watson, J. R., 16a.
Watson, L. P., 75a.
Watson, Mrs. M. E., 4b.
Watson, N. L., 37a.
Watson, T. G., 78a.
Watt, A. L., 76b.
Watts, Mrs. B. M., 9b.
Watts, J. G., 93b.
Watts, N., 79a.
Watts, R. L., IV, 87a.
Watts, V. M., 6a.
Waugh, A., 31b.
Waugh, A. E., 13b.
Waugh, F. A., 46a.
Waughtal, L., 58b.
Wayne, C. P., 67a.
Weakley, C. E., Jr., 108a.
Weakley, L., 97b.
Weakly, H. E., 62a.
Wear, Mrs. B. B., 12a.
Wear, W. C., Jr., 1b.
Weathers, E. K., 95b.
Weaver, B. L., 25b.
Weaver, D. S., 74a.
Weaver, E., 47b.
Weaver, G. S., 95b.
Weaver, J. E., 60b.
Weaver, J. G., 75a.
Weaver, L. A., 56a.
Weaver, L. E., 72b.
Weaver, R., 30a.
Weaver, R. A., 25a.
Weaver, V. H., 25a.
Weaver, W. E., 81b.
Webb, E. G., 49a.
Webb, E. M., 106b.
Webb, R. B., 86b.
Webb, W. L., 106b.
Weber, A. D., 33b.
Weber, A. L., 66b.
Weber, G. F., 16b.
Webster, G. T., 60a.
Webster, J. E., 82b.
Webster, R. L., 107b.
Webster, V. S., 94a.
Weckel, K. G., 110b.
Weddell, D. J., 2a.
Weddington, D. L., 99a.
Weeks, D., 8a.
Weeks, J. M., 54b.
Weeks, M. E., 37a.
Weems, C., 19b.
Weetman, L. M., 6b.
Wegner, E. E., 107b.
Wehrle, L. P., 4a.
Wehrwein, C. F., 111a.
Wehrwein, G. S., 111a.
Weidemann, A. G., 50a.
Weidenbach, W. H., 2b.
Weidner, B. V., 3a.
Weier, T. E., 7a.
Weigand, K. M., 68b.
Weihing, R. M., 11a.
Weimer, D. E., 73b.
Weimer, J. L., 19a.
Weinard, F. F., 25b.
Weinke, O. A., 98b.
Weir, M. G., 6b.
Weir, T. S., 54a.
Weir, W. W., 7a.
Weirether, F. J., 13a.
Weisner, E. S., 50a.
Weiss, M. G., 28b.
Weitzell, E. C., 108b.
Welch, D. S., 72a.
Welch, E. G., 37b.
Welch, H., 59b.
Welch, J. E., 20a.
Welch, R. R., 88a.
Weldin, J. C., 91a.
Weldon, M. D., 60a.
Weldon, M. M., 37b.
Weller, D. M., 20a.
Welles, W. S., 45b.
Wellhausen, E. J., 58a.
Wellhouse, W. H., 33b.
Wellington, J. W., II.
Wellington, R., 73b.
Wellman, H. R., 8a.
Wells, Mrs. B. O., 42b.
Wells, B. W., 74b.
Wells, J. G., Jr., 48b, 50b.
Welsh, Mrs. C. P., 44a.
Welsh, M. F., 43a.
Welton, F. A., 80a.
Wenger, L. E., 36b.
Wenner, G. F., 48b.
Wentz, J. B., 28b.
Werkman, C. H., 29a.
Werner, H. O., 61b.
Wernham, C. C., 87b.
Wertz, V. R., 78b.
Wessel, A., 52b.
Wessels, P. H., 71b.
West, Mrs. B. B., 35a.
West, E., 16b.
West, E. M., 39a.
West, J. C., 76a.
West, J. L., 1a.
Westbrook, E. C., 17a.
Westbrook, L. C., 18a.
Westbrook, R. B., 94b.
Westcott, G. W., 45a.
Wester, K., 30a.
Westgate, M. E., 89a.
Westgate, W. A., 63b.
Westley, R. O., 3b.
Westover, K. C., 109a.
Westveld, R. H., 57b.
Wetherill, F. E., 52a.
Whaley, G. C., 91b.
Whalin, O. L., 24a.
Wheatley, O. J., 102a.
Wheeler, E. J., 48b.
Wheeler, J. T., 18a.
Wheeler, K. E., 71b.
Wheeler, R. H., 70a.
Wheeler, S. S., 113a.
Wheelock, L. E., 3b.
Wheeting, L. C., 106a.
Whelan, D. B., 61a.
Whetten, N. L., 14b.
Whetzel, H. H., 72a.
Whigham, J. G., 19b.
Whipple, B. K., 57b.
Whipple, O. C., 112b.
Whisenhunt, W. M., 75b.
Whisnant, M. N., 75a.
Whitacre, J., 99b.
Whitacre, W. R., 88a.
Whitaker, L. M., 27a.
Whitchurch, L. A., 83b.
Whitcomb, W., Jr., 40b.
Whitcomb, W. D., 45b.
Whitcomb, W. O., 59b.
White, A., 42b.
White, A. E., 83b.
White, C. H., 41b.
White, E. A., 71b.
White, E. H., 54a, 55a.
White, G. C., 13a.
White, H. A., 92b.
White, H. B., 52a.
White, H. E., 46b.
White, H. H., (Kans.), 33a.
White, H. H. (Oreg.), 84b.
White, H. M., 59b.
White, Mrs. H. M., 37b.
White, J. W., (Ark.), 6b.
White, J. W. (Pa.), 87a
White, M. E., 107a.
White, N., 109a.
White, T. A., 92b.
White, T. H., 44b.
White, V. B., 57b.
White, V. E., 13a.
White, W. E. (Nebr.), 61a.
White, W. E. (Pa.), 88b.
White, W. E. (Tex.), 99b.
White, W. R., 88a.
Whiteford, G. H., 11a.
Whitehead, Mrs. F. B., 25a.
Whitehead, F. E., 83a.
Whitehouse, J. W., 37b.
Whitenton, R. O., 83a.
Whiteside, E. P., 23a.
Whitfield, E. E., 53a.
Whitfield, J. S., 55b.
Whitfield, W. R., 29a.
Whitford, L. A., 74b.
Whitlock, J. H., 36b.
Whitlock, M. C., 25a.
Whitlock, S. C., 50b.
Whitlow, S. E., 83b.
Whitmore, B. F., 23b.
Whitnah, C. H., 34a.
Whitney, R. C., 11b.
Whitney, R. S., 11a.
Whitson, A. R., 112b.
Whittaker, J. T., 2b.
Whittaker, M. F., 93a.
Whittle, W. O., 95a.
Wiancko, A. T., 25a.
Wiant, D. E., 94b.
Wichers, H. E., 35b.
Wickes, H. G., 99b.
Wiegand, E. H., 85a.
Wiesendanger, D. E., 71a.
Wiggans, C. C., 61b.
Wiggans, R. G., 72a.
Wiggin, G. H., 38b.
Wiggins, M. C., 35b.
Wightman, E. T., 108a.
Wildakas, W., 76a.
Wilbanks, W. C., 6b.
Wilbur, D. A., 34b.
Wilbur, J. W., 26b.
Wilcke, H. L., 28b.
Wilcox, A. N., 53a.

Wilcox, E., 31b.
Wilcox, G. B., 99a.
Wilcox, R. H., 23b.
Wilcox, W. W., 30b.
Wild, C. W., 89b.
Wilde, E. I., 89a.
Wilde, S. A., 113a.
Wilder, C. N., 17b.
Wilder, O. H. M., 80b.
Wilder, S. Z., 95a.
Wildon, C. E., 49b.
Wileden, A. F., 112b.
Wileman, R. H., 26b.
Wiley, E. C. B., 86b.
Wiley, J. R., 25b.
Wiley, R. C., 43a.
Wiley, W. H., 5a.
Wilford, E. J., 37a.
Wilgus, H. S., Jr., 12b.
Wilhelm, L. A., 107b.
Wilkens, A. E., 61a.
Wilkerson, E. A., 3b.
Wilkins, C. O., 47a.
Wilkinson, A. E., 13b.
Wilkinson, J. A., 29b.
Willard, A. C., IV, 22a.
Willard, C. J., 78a, 80a.
Willard, D. R., 91a.
Willard, H. S., 113a.
Willeford, S., 2b.
Willham, O. S., 82a.
Williamon, P. S., 92b.
Williams, B. O., 92b.
Williams, C. B., 74a.
Williams, C. C., 70a.
Williams, C. F. (Ark.), 6b.
Williams, C. F. (N. C.), 75a.
Williams, C. G., 80a.
Williams, C. S., 44b.
Williams, C. V., 34b.
Williams, D. W., 98a.
Williams, G. A., 26b.
Williams, G. D., 71b.
Williams, H. H., 76b.
Williams, H. J., 72b.
Williams, I., 96a.
Williams, J., 35b.
Williams, J. C., 29b.
Williams, Mrs. J. C., 86a.
Williams, J. H., 101b.
Williams, J. K., 22b.
Williams, J. S., 102a.
Williams, L. A., 22a.
Williams, L. C., 34b.
Williams, L. F. (Conn.), 13a.
Williams, L. F. (N. C.), 74b.
Williams, M. L., 95a.
Williams, N. W., 75b.
Williams, P. S., 88a.
Williams, R. M. (Mont.), 59b.
Williams, R. M. (N. C.), 74b.
Williamson, D. D., 63b.
Williamson, H. H., III, IV, 97a, 99a.
Williamson, J. T. (Ala.), 1a.
Williamson, J. T. (Tuskegee Inst., Ala.), 3b.
Williamson, Mrs. L. J., 71b.
Williamson, M., 11b.
Williamson, P. S., 69a.
Williamson, R. Y., 48a.
Willingham, J. J., 30a.
Willis, A. W., 113a.
Willis, L. G., 74a.
Willis, R. L., 66a.
Williston, D. A., 97b.
Willits, C. O., 73a.
Willman, H. A., 68b.
Willman, J. P., 68b.
Willmarth, A. B., 103a.
Willoughby, C. H., 15b.
Willoughby, L. E., 33a.
Willoughby, M. E., 27b.
Wills, J. E., 96a.
Willson, L. H., 32b.
Wilmot, R. J., 16b.
Wilsie, C. P., 28b.
Wilson, A. J., 74b.
Wilson, A. L., 102b.
Wilson, B. D., 68a.
Wilson, C. D., 4b.
Wilson, C. E., 79b.
Wilson, C. P., 67b.
Wilson, C. V., 108a.
Wilson, E. E., 10b.
Wilson, E. J., 99b.
Wilson, F. W., 62a.
Wilson, H. A., 46b.
Wilson, H. F., 111a.
Wilson, H. K., 51a.
Wilson, I. C., 5b.
Wilson, I. D., 104a.
Wilson, J. B., 2a.
Wilson, J. D., 80b.
Wilson, J. F., 7a.
Wilson, J. K., 68a.
Wilson, J. P., 2b.
Wilson, J. W. (Fla.), 16a.
Wilson, J. W. (S. Dak.), 94a.
Wilson, L., 101a.
Wilson, M. C., IV.
Wilson, M. L., IV.
Wilson, M. M., 86b.
Wilson, N. E., 55a.
Wilson, P. W., 110b.
Wilson, S. E., 64a, b.
Wilson, W., 44a.
Wilson, W. C., 37b.
Wilson, W. F., Jr., 40b.
Wilson, W. T., 5b.
Wilster, G. H., 84a.
Wimer, D. C., 23a.
Winant, H. B., 42b.
Winchester, B., 83a.
Wing, E. M., 11a.
Wingard, S. A., 104b.
Wingert, J. B., 32a.
Wingo, C. W., 57a.
Winkler, A. J., 9b.
Winslow, C. F., 43b.
Winsor, A. L., 69b.
Winsor, H. W., 16a.
Winter, A. R., 79b.
Winter, H. F., 80b.
Winter, J. D., 53a.
Winterkorn, H. F., 58a.
Winters, E., Jr., 23a.
Winters, E. S., 2b.
Winters, J. S., 8b.
Winters, L. M., 51a.
Winters, R. Y., II.
Wise, G. H., 92a.
Withrow, R. B., 27b.
Witter, J. F., 41a.
Witzel, S. A., 111a.
Wojta, J. F., 111b.
Wolcott, G. N., 90a.
Wolf, B., 66b.
Wolfanger, L. A., 50a.
Wolfe, H. S., 17b.
Wolfrom, L. S., 79b.
Wood, B. B., 46b.
Wood, D. C., 56b.
Wood, H. G., 29a.
Wood, I. D., 61a.
Wood, J. F., 100b.
Wood, J. H., 95b.
Wood, L., 35b.
Wood, L. A., 26b.
Wood, M. (Iowa), 31b.
Wood, M. (Pa.), 89b.
Wood, M. A., 4b.
Wood, S. R., 82b.
Wood, T. E., 71b.
Woodard, C. S., 6b.
Woodard, O., 19b.
Woodbridge, M. E., 73b.
Woodbury, G. W., 22a.
Woodcock, E. F., 47a.
Woodhouse, C. A., 80a, b.
Woodhouse, W. W., Jr. 74a.
Woodrow, A. W., 113b.
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Woodruff, O., 71b.
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Woods, A. W., 42b.
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Woods, M., 3b.
Woods, M. W., 43a.
Woods, S. R., 96b.
Woodside, A. M., 105a.
Woodside, G. L., 45b.
Woodward, K. W., 63b.
Woodward, R. S., 6b.
Woodward, R. W., 101a.
Woodworth, C. M., 23a.
Woodworth, H. C., 63a.
Wooley, J. C., 57a.
Woolf, F. P., 2b.
Woolfries, A., 33b.
Wooten, J. D., 92b.
Word, O. C., 100b.
Worden, P. W., 96a.
Work, P., 71b.
Work, R. A., 86b.
Work, S. H., 20a.
Working, E. B., 35b.
Working, E. J., 23b.
Workman, N., 31b.
Workman, T. W., 100a.
Worthen, E. L., 68a.
Worthington, A. D., 33b.
Worthington, L. G., 43b.
Worthley, H. N., 89b.
Worzella, W. W., 25a.
Wrather, S. E., 38b.
Wray, R., 8b.
Wright, A. H. (N. Y.), 70a.
Wright, A. H. (Wis.), 110a.
Wright, B. W., 34b.
Wright, C. E., 103b.
Wright, Mrs. C. T., 8a.
Wright, F. B., 69b.
Wright, F. E., 71b.
Wright, I., 101b.
Wright, J. L., 5b.
Wright, K. E., 91a.
Wright, K. T., 48b.
Wright, N. H., 6b.
Wright, O., 70a.
Wright, Mrs. S. K., 19b.
Wright, T. R. H., 94a.
Wright, V. A., 26a.
Wright, W. J., 70a.
Wrigley, P. I., 88a.
Wuichet, J. W., 78a.
Wyatt, C. E., 37a.
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Wyche, R. H., 100b.
Wyckoff, G., 35b.
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Wyman, L., 75a.
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Yeager, A. F., 49b.
Yegian, H. M., 44a.
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Yoast, Mrs. I. G., 67b.
Yoder, L., 29a, b.
Yoder, R. E., 1b.
Yonge, H., 20b.
York, H. A., 55b.
Young, A. (Nev.), 62b.
Young, A. (Tenn.), 97a.
Young, A. L., 24a.
Young, D., 99b.
Young, E. C., 27a.
Young, E. R., 37b.
Young, F., 18b.
Young, F. W., 50b.
Young, H. A. (Calif.), 7b.
Young, H. A. (S. Dak.), 95a.
Young, H. C., 80b.
Young, H. E., 27a.
Young, H. N., 104b.
Young, J. B., 95b.
Young, J. P., 76b.
Young, K. M., 11a.
Young, L., 98a.
Young, P. A., 100a.
Young, R. E., 46b.
Young, V. H., 6a.
Young, W. B., 13a.
Young, W. P., 18a.
Youngblood, B., II.
Younge, O. R., 5a.
Youngs, F. S., 41a.
Youngstrom, C. O., 21b.
Yule, M., 95a.
Yund, C. C., 26a.
Yung, F. D., 61a.

Zahnley, J. W., 33a.
Zappe, M. P., 14b.
Zaring, B., 27b.
Zavoral, H. G., 51a.
Zayaz, S. L., 89a.
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Zeigler, H., 17a.
Zeliff, C. C., 89b.
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Ziegler, P. T., 87a.
Zimmerley, H. H., 105a.
Zimmerli, A., 64a.
Zimmerman, J. H., 20b.
Zink, C. L., 61a.
Zinn, J., 49a.
Zon, R., 52b, 113b.
Zook, L. L., 62a.
Zscheile, F. P., 26a.
Zundel, G. L., 87b.